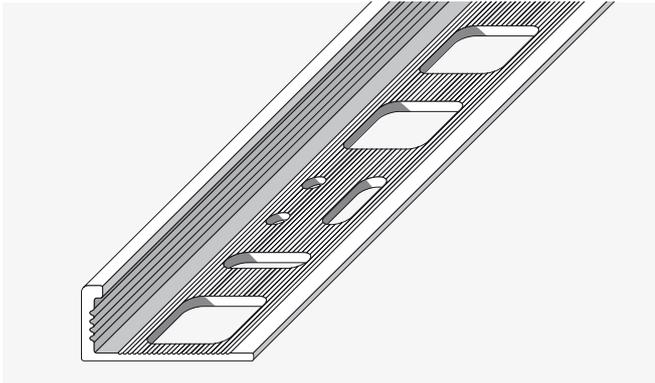


Data sheet Stainless steel tile edgings



Previously and mostly used in wet rooms, ceramic tiles are now used in many other areas. Surfaces subjected to the weather and daily use have to be protected against damaging influences in order for them to remain hygienically safe, dirt repellent and thus easy to clean. Thanks to their outstanding usage properties, tiles can be laid both indoors and out – and ceramic tiles look great anywhere. Whether laying the tiles yourself or employing a specialist to do so, always consider the importance of the edging – the **alfer**[®] tile edgings. After all, your ceramic floor will only offer long-term satisfaction if the entire installation has been skilfully laid, right up to right up to and including the edges. Whether you prefer a discrete edge guard or a stylish design feature, **alfer**[®] tile edgings offer the right solution for everyone.

Stainless steel tile edgings

alfer[®] knows about the many different applications areas for tile edgings. These include laying situations with the highest demands in terms of being crush proof, chemical resistant and durable. In such situations, we recommend the use of stainless steel. Particularly in laboratories, the healthcare sector or for edgings that are subject to high levels of stress, for example in public buildings or shopping centres, stainless steel is the ideal material. Its high degree of hardness and, not least, its visual elegance make stainless steel the optimum solution for our demanding customers.

Impressive benefits

The consistent development of the tile edgings by our edging engineers and the continual cooperation with tilers leads to edgings that offer impressive benefits:

alfer[®]-fix universal hole pattern

With no other hole pattern like it in the world, this offers a technological benefit over conventional edging perforations:

- Universally usable tile edgings thanks to the combination of different hole shapes
- Largest possible perforations to allow adhesive or mortar to penetrate more easily – for an optimum contact area between the tiles and the substrate
- Round and slotted perforations for nails or screws, e.g. for pre-fixing the profile to a wall area

Edging groove pattern

Just like in motor sport, profile grooves can also be a decisive success factor for tile edgings:

- The deep grooves on the end section of the tile edgings ensure that the grout grips perfectly across the entire edge height.
- Fine grooves on the surface of the anchoring section considerably increase the bond of the adhesive or mortar.

Professional quality

Value for money is key:

- The latest production methods enable a reasonable price basis.
- The sophisticated profile technology ensures high stability and torsional stiffness.
- The simple laying process saves time and money

Data sheet Stainless steel tile edgings

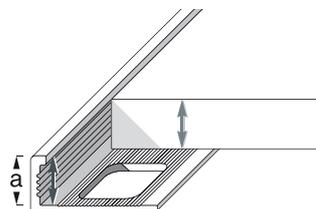
Laying instructions

1. When selecting an appropriate profile, make sure that the profile height is slightly greater than the tile thickness. (The tile and profile heights can be precisely aligned by applying an appropriate thickness of tile adhesive.)
2. Apply the tile adhesive up to the desired edge.
3. Press the tile edging firmly into the adhesive and align it. (Note the manufacturer instructions on the tile adhesive!)
4. Now lay the tiles making sure that you factor in a suitable joint distance to the profile. (Caution: immediately remove any residual adhesive from the profile surface to prevent damage.)
5. If a solid joint has been created between the tile, the edging and the substrate once the tile adhesive has solidified, you can start the pointing process.



The right profile height for you

Tile thickness	Profile height (Dim. a)
3.0–4.5 mm	4.5 mm
5.0–6.0 mm	6.0 mm
7.0–8.0 mm	8.0 mm
9.0–10.0 mm	10.0 mm
11.0–12.5 mm	12.5 mm
13.0–15.0 mm	15.0 mm



alfer[®] users in the USA should see the following publications:

- Tile Council of North America (TCNA) Handbook for Ceramic Tile Installation
- American National Standard Specifications for the installation of ceramic tile A108 / A118 / A136.1

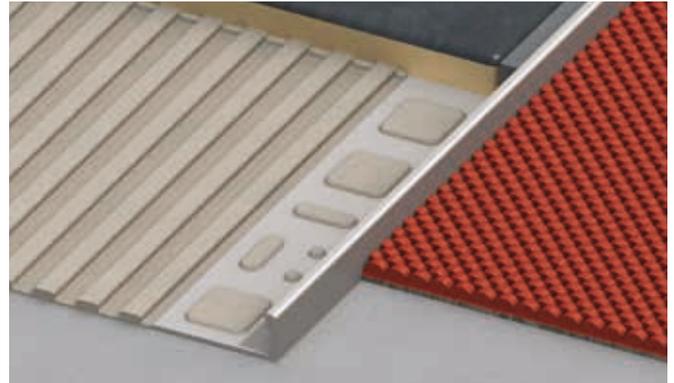
Laying example, here with an aluminium tile edging

Data sheet Stainless steel tile edgings

Angle profiles with alfer[®]-fix universal hole pattern

Angle profiles are an effective way of preventing damage to tile edges. Unglazed tile edges, for example on cheap tiles, or cut edges should be protected against mechanical loads. Of course, tile edgings also visually enhance such edges.

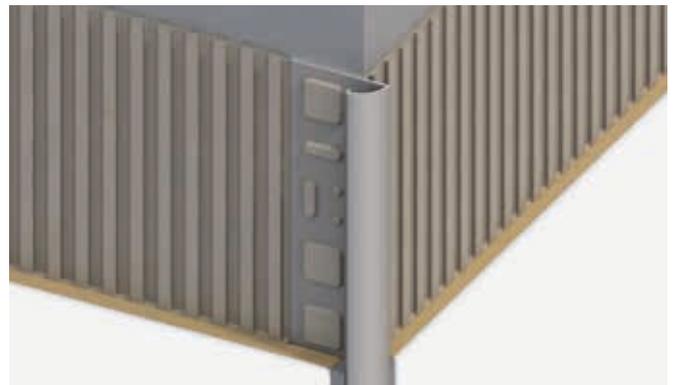
Furthermore, using tile edgings also makes it easier to lay tiles. They enable the tiles to be positioned in a straight line and edged as well as to be connected to other floor coverings, rendered surfaces, carpets, individually designed floor mats, and much more.



Quarter circle profiles with alfer[®]-fix universal hole pattern

The tile quarter circle profile is suitable for tile coverings as an external wall corner and effectively protects tile edges. The profile's symmetry also gives it greater visual impact. The closed design makes the profile stable and easy to grout.

To use the quarter circle profile on an external wall corner, first finish tiling one wall and then apply adhesive to the corner area of the second wall. Next, press the profile into the adhesive bed and align it. You can now apply the adhesive to the entire surface and press the remaining tiles into place and align them.



Quarter circle external and internal corners for tiles

The aluminium, plastic or stainless steel quarter circle external and internal corners for tiles make it possible to create a clean, attractive and homogeneous external and internal corner with two or three quarter circle profiles that butt at right angles. The profiles do not need to be mitred.



Data sheet Stainless steel tile edgings

Square profiles with **alfer**[®]-fix universal hole pattern

The square profile can be used as a decorative external wall corner for tile coverings and effectively protects the tile edges. An eye-catching effect can also be created by using the profile as a border, for example. The closed design also makes it possible to lay the profile on the floor.

To use the square profile on an external wall corner, first finish tiling one wall and then apply adhesive to the corner area of the second wall. Next, press the profile into the adhesive bed and align it. You can now apply the adhesive to the entire surface and press the remaining tiles into place and align them.

Square tile corner

The square corners in matching colours make it possible to create a clean and attractive external or internal corner with two or three square profiles meeting at right angles.



Data sheet Stainless steel tile edgings

Information about materials

Stainless steel

Stainless steel tile edgings can withstand high levels of mechanical stress and are largely resistant to chemicals. They are often used in the food industry, hospitals and swimming pools etc.

Technical data

alfer[®] - stainless steel 1.4301 / X5CrNi18-10

Material no.	1.4301
Standard name	X5CrNi18 10
Standard	DIN EN 10088
Composition	C (carbon) ≤ 0.07%
	P (phosphorous) ≤ 0.045%
	Mn (manganese) ≤ 2.00%
	Si (silicon) ≤ 1.00%
	S (sulphur) ≤ 0.015%
	Cr (chrome) 17.0–19.5%
	Ni (nickel) 8.0–10.5%
	N (nitrogen) ≤ 0.110%
Description	Stainless steel
Spec. weight (density)	7.9 kg/dm ³
Yield strength	> 230 N/mm ²
Tensile strength	540–750 N/mm ²
Elongation at break (A)	> 45%

The information and details we have provided are in line with the current state of our knowledge and are intended to inform you about our products.

The information provided is non-binding and does not release you from your own duty of care. As such, they do not provide any legally binding assurances or guarantees with regard to chemical resistance, product properties and merchantability.

Protection and cleaning

The profiles are cleaned using a damp cloth and detergent. Tough dirt can also be removed from the profiles using harsher cleaning agents. Solvents are also non-problematic.

Retention of value

The profiles can be recycled with steel waste.

Storage

The profiles should be protected against jolts and abrasion.

Guarantee exclusion and disclaimer

The application examples and tips provided in this data sheet and on our website are for guidance purposes and based on standard workmanship techniques. All details, including product-related information, are standard. The editor does not accept any guarantees for the information provided in the data sheet and/or on the website. Furthermore, no guarantee is assumed for the ability to use products for specific purposes or the occurrence of damage or defects as a result of the information or tips provided here. Errors, misprints and technical changes – providing these are in the interest of progress – reserved. The colours depicted in photographs and images are not binding. No liability is accepted for print and picture errors. Reproductions and copies, including in extract form, are prohibited.

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